

ABSTRACT OF THE DISCLOSURE

The present invention provides for a DC power pooling system comprising: a plurality of DC electrical power consuming and providing entities, each of the plurality of DC electrical power consuming and providing entities having at least a first operative mode in which it may provide more electrical power than it consumes and a second operative mode in which it may consume more electrical power than it provides; DC electrical power interconnections, interconnecting the plurality of DC electrical power consuming and providing entities and permitting electrical power flow thereto and therefrom; and at least one pooling controller operative to vary at least one of voltage, output impedance and current of electrical power provided by at least one of the plurality of DC electrical power consuming and providing entities.